



COMDTNOTE 16794

FEB 11 2002

CANCELLED:

COMMANDANT NOTICE 16794

Subj: CH-1 TO AUXILIARY BOAT CREW QUALIFICATION GUIDE, VOLUME I:  
CREW MEMBER, COMDTINST M16794.52

1. PURPOSE. This Notice provides changes to the Auxiliary Boat Crew Qualification Guide, Volume I: Crew Member, COMDTINST M16794.52.
2. ACTION. Area and district commanders, commanders of maintenance and logistics commands, and commanding officers of headquarters units shall ensure units under their command overseeing or directing Auxiliary operations and Auxiliarists at all levels become familiar with, and adhere to this Notice.
3. DIRECTIVES AFFECTED. None.
4. SUMMARY. The changes are a compilation of editorial corrections made since the Manual was published and the removal of tasks that are not considered essential for basic qualification.
5. PROCEDURE. Remove and insert the following pages:

Remove

Insert

Pages i thru vi

Pages i thru vi, CH-1

Appendix A

Appendix A, CH-1

Appendix B

Appendix B, CH-1

Pages 2-1 thru 2-2

Pages 2-1 thru 2-2, CH-1

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Encl: (1) CH-1 TO AUXILIARY BOAT CREW QUALIFICATION GUIDE, VOLUME I:  
CREW MEMBER, COMDTINST M16794.52

# RECORD OF CHANGES

CHANGE NUMBER	DATE OF CHANGE	DATE ENTERED	BY WHOM ENTERED
CH_1	02/11/02	03/12/03	G-CIM-3

## Appendix A - RECORD OF COMPLETED TASKS CREW MEMBER

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Trainee's Name: \_\_\_\_\_ Member ID: \_\_\_\_\_

<p style="text-align: center;"><b><i>Section A</i></b> <b><i>Crew Efficiency Factors, Risk Factors and Team Coordination</i></b></p>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-01-01-AUX</b> (old ACW-1-2-05)	Crew Fatigue		
<b>BCM-01-02-AUX</b>	Sun And Heat Related Factors		
<b>BCM-01-03-AUX</b>	Team Coordination Training		

<p style="text-align: center;"><b><i>Section B</i></b> <b><i>Physical Fitness, First Aid and Survival</i></b></p>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-02-01-AUX</b>	Personal Physical Requirements And Policy		
<b>BCM-02-02-AUX</b>	Crew First Aid Responsibility		
<b>BCM-02-03-AUX</b> (old ACW-1-2-01)	State The Symptoms And Treatment For Shock		
<b>BCM-02-04-AUX</b>	State The Symptoms And Treatment For Anaphylactic Shock		
<b>BCM-02-05-AUX</b> (old ACW-1-2-06)	Demonstrate Direct Pressure, Pressure Points And Tourniquet Method To Control Bleeding		
<b>BCM-02-06-AUX</b> (old ACW-1-2-02)	State The Signs And Treatment For Burns		
<b>BCM-02-07-AUX</b> (old ACW-1-2-04)	State The Symptoms And Treatment For Hypothermia		
<b>BCM-02-08-AUX</b>	Don An Anti-Exposure Coverall Or Dry Suit And Enter The Water ( <b>Waiverable by DIRAUX</b> )		
<b>BCM-02-09-AUX</b> (old ACW-1-3-01)	Identify Boat Crew Personal Survival Equipment		

<b><i>Section B</i></b> <b><i>Physical Fitness, First Aid and Survival (continued)</i></b>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-02-10-AUX</b> (old ACW-1-3-01)	Use The Emergency Signaling Mirror		
<b>BCM-02-11-AUX</b> (old ACW-1-4-02)	Describe The Use Of Hand Held Distress Flares		
<b>BCM-02-12-AUX</b> (old ACW-1-3-01)	Describe The Use Of Aerial Flares		
<b>BCM-02-13-AUX</b> (old ACW-1-3-01)	Operate The Personal Marker Light (PML)		
<b>BCM-02-14-AUX</b> (old ACW-1-3-06)	State Survival Procedures In Event The Boat Capsizes		
<b>BCM-02-15-AUX</b>	PFD Swim		

<b><i>Section C</i></b> <b><i>Marlinespike Seamanship, Boat Nomenclature, and Basic Stability</i></b>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-03-01-AUX</b> (old ACW-1-1-02)	Identify The Different Parts Of A Line And The Hitches Used In Line Handling		
<b>BCM-03-02-AUX</b> (old ACW-1-1-02)	Tie Various Knots, Hitches And Bends		
<b>BCM-03-03-AUX</b> (old ACW-1-1-01 & ACW-1-1-03)	Secure Lines To Cleats, Bitts And Posts		
<b>BCM-03-04-AUX</b> (old ACW-1-5-01)	Assist The Coxswain With A Pre-Underway Check-Off Aboard An Auxiliary Facility		

<b><i>Section D</i></b> <b><i>Boat Handling</i></b>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-04-01-AUX</b> (old ACW-2-3-08)	Assist In Anchoring The Boat		
<b>BCM-04-02-AUX</b> (old ACW-2-3-09)	Assist In Weighing The Boats Anchor		
<b>BCM-04-03-AUX</b> (old ACW-2-3-06)	Identify Common Navigation Lights Displayed By Ships And Boats		
<b>BCM-04-04-AUX</b> (old ACW-2-3-07)	Identify Common Sound Signals Used By Ships And Boats		

<b>Section D</b> <b>Boat Handling (continued)</b>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-04-05-AUX</b> (old ACW-1-4-02)	Identify And Describe Accepted Maritime Distress Signals		
<b>BCM-04-06-AUX</b> (old ACW-2-3-01)	Stand A Lookout Watch		
<b>BCM-04-07-AUX</b> (old ACW-2-3-02)	Act As A Helmsman And Steer A Compass Course		
<b>BCM-04-08-AUX</b> (old ACW-2-1-01)	Cast Off And Stow Lines And Fenders		
<b>BCM-04-09-AUX</b> (old ACW-1-1-03, ACW-2-1-02 & ACW-2-1-03)	Prepare For, Moor And Secure Boat To A Dock		

<b>Section E</b> <b>Communications</b>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-05-01-AUX</b> (old ACW-1-4-01)	Operate A VHF-FM Radiotelephone		
<b>BCM-05-02-AUX</b> (old ACW-2-2-01)	Use The VHF-FM Radiotelephone To Give A Position Or Ops Normal Report		

<b>Section F</b> <b>Navigation</b>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-06-01-AUX</b> (old ACW-2-3-05)	Identify The Basic Parts, Symbols And Abbreviations Found On A Nautical Chart		
<b>BCM-06-02-AUX</b> (old ACW-2-3-04)	Identify Common Aids To Navigation Used In Small Boat Piloting		
<b>BCM-06-03-AUX</b> (old ACW-2-3-04 & ACW-2-3-05)	Identify Local Landmarks Used In Piloting On A Nautical Chart		
<b>BCM-06-04-AUX</b> (old ACX-2-3-08& ACX-2-3-09)	Plot A Position Using Latitude And Longitude <b>(Waiverable by DIRAUX)</b>		
<b>BCM-06-05-AUX</b> (old ACX-1-2-04)	Plot A Magnetic Course On A Nautical Chart <b>(Waiverable by DIRAUX)</b>		

<b>Section F</b> <b>Navigation (continued)</b>			
<b>Task</b>	<b>Description</b>	<b>Mentor Initials</b>	<b>Date</b>
<b>BCM-06-06-AUX</b> (old ACX-1-2-04)	Measure Distance On A Nautical Chart <b>(Waiverable by DIRAUX)</b>		
<b>BCM-06-07-AUX</b> (old ACX-1-2-04)	Compute Time, Speed And Distance <b>(Waiverable by DIRAUX)</b>		
<b>BCM-06-08-AUX</b> (old ACW-2-3-03)	Determine The Depth Of Water Using A Fathometer And/Or Sounding Pole		

<b>Section G</b> <b>Mission Oriented Operations</b>			
<b>Task</b>	<b>Description</b>	<b>Mentor initials</b>	<b>Date</b>
<b>BCM-07-01-AUX</b> (old ACW-2-4-01)	Participate In A Man Overboard Evolution As A Pointer		
<b>BCM-07-02-AUX</b> (old ACW-2-4-02)	Participate In A Man Overboard Evolution As A Recovery/Pickup Man		
<b>BCM-07-04-AUX</b> (old ACW-3-1-01)	Bend A Heaving Line To A Bridle And Pass The Heaving Line To Another Boat		
<b>BCM-07-05-AUX</b> (old ACW-3-1-02 & ACW-3-1-03)	Pass A Towline (Bridle) To Another Boat And Take In Stern Tow		
<b>BCM-07-06-AUX</b> (old ACW-3-1-05)	Stand A Towing Watch		
<b>BCM-07-07-AUX</b> (old ACW-3-1-04)	Connect A Towline To A Trailer Eye Bolt Using A Shackle Or Kicker/Skiff Hook		
<b>BCM-07-08-AUX</b> (old ACW-3-1-06)	Take A Boat In Alongside Tow		
<b>BCM-07-10-AUX</b> (old ACW-1-3-03)	Identify The Different Classes Of Fires And State The Fuel And Primary Extinguishing Agents Associated With Each		
<b>BCM-07-11-AUX</b> (old ACW-1-3-04 & ACW-2-4-03)	Locate And Operate The Boat's Dewatering Equipment		
<b>BCM-07-12-AUX</b> (old ACW-1-3-05)	Operate A CO2 Fire Extinguisher (Simulate)		
<b>BCM-07-13-AUX</b> (old ACW-1-3-05)	Operate A Dry Chemical Fire Extinguisher (Simulate)		

<p style="text-align: center;"><b><i>Section H</i></b> <b><i>Auxiliary Specific Tasks</i></b></p>			
<b>Task</b>	<b>Description</b>	<b>Mentor/QE Initials</b>	<b>Date</b>
<b>BCM-08-01-AUX</b>	Basic Knowledge Of Boating Skills		
<b>BCM-08-02-AUX</b>	Perform As A Crewmember During A Night Navigation And Piloting Exercise <b>(Waiverable by DIRAUX)</b>		
<b>BCM-08-03-AUX</b>	Dockside Oral Examination		
<b>BCM-08-04-AUX</b>	Underway Check Ride		



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## Appendix B - AUXILIARY CREW MEMBER TASK CROSS REFERENCE

OLD TASK	NEW TASK
ACW-1-1-01	BCM-03-03-AUX
ACW-1-1-02	BCM-03-01-AUX BCM-03-02-AUX
ACW-1-1-03	BCM-03-03-AUX BCM-04-09-AUX
ACW-1-2-01	BCM-02-03-AUX
ACW-1-2-02	BCM-02-06-AUX
ACW-1-2-03	None
ACW-1-2-04	BCM-02-07-AUX
ACW-1-2-05	BCM-01-01-AUX
ACW-1-2-06	BCM-02-05-AUX
ACW-1-3-01	BCM-02-09-AUX BCM-02-10-AUX BCM-02-12-AUX BCM-02-13-AUX
ACW-1-3-02	None
ACW-1-3-03	BCM-07-10-AUX
ACW-1-3-04	BCM-07-11-AUX
ACW-1-3-05	BCM-07-12-AUX BCM-07-13-AUX
ACW-1-3-06	BCM-02-14-AUX
ACW-1-4-01	BCM-05-01-AUX
ACW-1-4-02	BCM-02-11-AUX BCM-04-05-AUX
ACW-1-5-01	BCM-03-04-AUX
ACW-2-1-01	BCM-04-08-AUX
ACW-2-1-02	BCM-04-09-AUX
ACW-2-1-03	BCM-04-09-AUX
ACW-2-2-01	BCM-05-02-AUX
ACW-2-3-01	BCM-04-06-AUX
ACW-2-3-02	BCM-04-07-AUX
ACW-2-3-03	BCM-06-08-AUX
ACW-2-3-04	BCM-06-02-AUX BCM-06-03-AUX
ACW-2-3-05	BCM-06-01-AUX BCM-06-03-AUX
ACW-2-3-06	BCM-04-03-AUX
ACW-2-3-07	BCM-04-04-AUX
ACW-2-3-08	BCM-04-01-AUX
ACW-2-3-09	BCM-04-02-AUX
ACW-2-4-01	BCM-07-01-AUX
ACW-2-4-02	BCM-07-02-AUX
ACW-2-4-03	BCM-07-11-AUX
ACW-3-1-01	BCM-07-04-AUX
ACW-3-1-02	BCM-07-05-AUX
ACW-3-1-03	BCM-07-05-AUX
ACW-3-1-04	BCM-07-07-AUX

*Continued on next page*

Appendix B: Task Cross Reference

<b>OLD TASK</b>	<b>NEW TASK</b>
ACW-3-1-05	BCM-07-06-AUX
ACW-3-1-06	BCM-07-08-AUX
ACW-3-2-01	None
None	BCM-01-02-AUX
None	BCM-02-01-AUX
None	BCM-02-02-AUX
None	BCM-02-04-AUX
None	BCM-02-08-AUX
None	BCM-02-15-AUX
None	BCM-08-01-AUX
None	BCM-08-02-AUX
None	BCM-08-03-AUX
ACX-1-2-04	BCM-06-05-AUX
	BCM-06-06-AUX
	BCM-06-07-AUX
ACX-2-3-08	BCM-06-04-AUX
ACX-2-3-09	BCM-06-04-AUX

## Chapter 2 Crew Member Qualification Tasks

### In this chapter

This chapter contains eight sections:

Section	Title	See Page
A	Crew Efficiency Factors, Risk Factors and Team Coordination	2-2
B	Physical Fitness, First Aid, and Survival	2-6
C	Marlinespike Seamanship, Boat Nomenclature and Basic Stability	2-24
D	Boat Handling	2-34
E	Communications	2-44
F	Navigation	2-47
G	Mission Oriented Operations	2-57
H	Auxiliary Specific Tasks	2-72

## **Section A. Crew Efficiency Factors, Risk Factors and Team Coordination**

---

### **Introduction**

The following are objectives of Section A:

**Demonstrate** knowledge of the factors that effect crew performance.

---

### **In this section**

This section contains three tasks.

<b>Task Number</b>	<b>Task</b>	<b>See Page</b>
BCM-01-01-AUX	Crew Fatigue	2-3
BCM-01-02-AUX	Sun And Heat Related Factors	2-4
BCM-01-03-AUX	Team Coordination Training	2-5

---

Name: \_\_\_\_\_

## Task BCM-01-03-AUX

**Task** **Team Coordination Training**

**References** Team Coordination Training, COMDTINST 1541.1 (series)  
Operational Risk Management, COMDTINST 3500.3 (series)

**Conditions** Task should be performed at any time, at facilities available to the member.

**Standards** Trainee must attend the training as prescribed in the reference above.

**NOTE: If a TCT class is not readily available, the member may be qualified and certified without signing off this task. However, TCT must be completed at the earliest opportunity after certification. Completing an on-line TCT course, when available, is an alternative to meeting this requirement.**

### Completed

### Performance Criteria

\_\_\_\_\_ 1. Date initial TCT training completed. \_\_\_\_\_

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

## Section B. Physical Fitness, First Aid and Survival

### Introduction

The following are objectives of Section B:

- **State** the physical requirements for participation in the Auxiliary Boat Crew program.
- **State** Auxiliary crew members responsibilities for rendering First Aid.
- **Identify** the symptoms and **state** the treatment for various medical conditions that may be encountered while on patrol.
- **Identify** and **demonstrate** proficiency in those skills necessary for coping with open water survival situations.
- **Effectively** use all standard boat crew signaling and survival equipment.

### In this section

This section contains fifteen tasks.

Task Number	Task	See Page
BCM-02-01-AUX	Personal Physical Requirements And Policy	2-8
BCM-02-02-AUX	Crew First Aid Responsibility	2-9
BCM-02-03-AUX	State The Symptoms And Treatment For Shock	2-10
BCM-02-04-AUX	State The Symptoms And Treatment For Anaphylactic Shock	2-11
BCM-02-05-AUX	Demonstrate Direct Pressure, Pressure Points And Tourniquet Method To Control Bleeding	2-12
BCM-02-06-AUX	State The Signs And Treatment For Burns	2-13
BCM-02-07-AUX	State The Symptoms And Treatment For Hypothermia	2-14
BCM-02-08-AUX	Don An Anti-Exposure Coverall Or Dry Suit And Enter The Water ( <b>Waiverable by DIRAUX</b> )	2-15
BCM-02-09-AUX	Identify Boat Crew Survival Equipment	2-17
BCM-02-10-AUX	Use The Emergency Signaling Mirror	2-18
BCM-02-11-AUX	Describe The Use Of Hand Held Distress Flares	2-19
BCM-02-12-AUX	Describe The Use Of Aerial Flares	2-20

*Continued on next page*

Name: \_\_\_\_\_

## Task BCM-02-08-AUX

<b>Task</b>	<b>Don An Anti-Exposure Coverall Or Dry Suit And Enter The Water (Waiverable by DIRAUX)</b>
<b>References</b>	Chapter 6, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series) Chapter 3, Coast Guard Rescue and Survival Systems Manual, COMDTINST M10470.10 (series)
<b>Conditions</b>	Must be completed by entering the water. Trainee should be wearing all other survival gear consistent with the weather and water temperature. Trainee must accomplish task without prompting or use of a reference.
<b>Standards</b>	Anti-exposure coverall or dry suit must be broken out and donned four minutes after receiving an instruction from the memtor. Anti-exposure coverall should fit snugly against the body and all straps must be secured. Trainee must enter the water in the manner prescribed in the steps below. If dry suit is used, proper undergarments and PFD must be worn.
<b><u>Completed</u></b>	<b><u>Performance Criteria</u></b>

- |       |  |
|-------|--|
| _____ | 1. Anti-exposure coveralls donned          |
| _____ | 2. All wrist and ankle seals secured.      |
| _____ | 3. All other zippers and/or seals secured. |
| _____ | 4. Hood pulled up over head and secured.   |
| _____ | 5. Gloves donned.                          |
| _____ | 6. All signaling gear attached.            |
| _____ | 7. Surrounding water checked for debris.   |
| _____ | 8. Eyes straight ahead.                    |



**Task BCM-02-08-AUX** (Continued)

- \_\_\_\_\_ 9. Vertical position maintained, ankles crossed upon entry into the water.
- \_\_\_\_\_ 10. Entered water.
- \_\_\_\_\_ 11. Remained in water for a period of 10 minutes.
- \_\_\_\_\_ 12. After exercise, anti-exposure coverall rinsed, allowed to dry thoroughly, and properly stowed.

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-02-15-AUX

**Task** **PFD Swim**

**References** Chapter 6, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

**Conditions** This task is not intended to be performed at the dock, afloat, or from the beach, unless specific permission to do so has been granted by DIRAUX. A swimming pool (heated if available) should be used. **The trainee must enter the water wearing a PFD.** Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the mentor, the trainee must inspect and properly don a PFD. (Preferably the approved type of PFD that the trainee would most likely use on patrol). The trainee must properly enter the water, float for 5 to 10 minutes, and then swim at least 30 feet. The following tasks must be completed without assistance.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Inspected and correctly donned the proper size PFD.
- \_\_\_\_\_ 2. Entered water feet first wearing the PFD.
- \_\_\_\_\_ 3. Adjusted PFD if needed and floated for 5 to 10 minutes.
- \_\_\_\_\_ 4. Swam or used a stroke of the trainee's choice to travel through the water at least 30 feet.

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

## Section C. Marlinespike Seamanship, Boat Nomenclature, Nautical Terminology, and Basic Stability

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### Introduction

The following are general objectives for Section C:

- **Identify** and **explain** the use of and be able to consistently **tie** the basic knots and hitches used aboard Coast Guard Auxiliary facilities.
  - **Demonstrate** the ability to secure lines of various sizes to several types of deck and dock fittings.
  - **Locate** and **identify** equipment carried aboard Coast Guard Auxiliary facilities
- 

### In this section

This section contains four tasks.

Task Number	Task	See Page
BCM-03-01-AUX	Identify The Different Parts Of A Line And The Hitches Used In Line Handling	2-25
BCM-03-02-AUX	Tie Various Knots, Hitches And Bends	2-27
BCM-03-03-AUX	Secure Lines To Cleats, Bitts And Posts	2-28
BCM-03-04-AUX	Assist The Coxswain With A Pre-Underway Check-Off Aboard An Auxiliary Facility	2-30

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## Section F. Navigation

### Introduction

The following are general objectives for Section F:

- **Demonstrate** the use of a nautical chart.
- **Demonstrate** the ability to identify navigation and general landmark symbols on a nautical chart.
- **Demonstrate** the ability to plan a voyage by laying down a trackline across safe water and through marked channels.
- **Demonstrate** the ability to take a fix and plot a position on a chart.
- **Demonstrate** ability to calculate actual speed of vessel, determine amount of water beneath keel, and recommend adjustments to vessel's course and speed to match voyage plan.

### In this section

This section contains eight tasks:

Task Number	Task	See Page
BCM-06-01-AUX	Identify The Basic Parts, Symbols And Abbreviations Found On A Nautical Chart	2-48
BCM-06-02-AUX	Identify Common Aids To Navigation Used In Small Boat Piloting	2-50
BCM-06-03-AUX	Identify Local Landmarks Used In Piloting	2-51
BCM-06-04-AUX	Plot A Position Using Latitude And Longitude <b>(Waiverable by DIRAUX)</b>	2-52
BCM-06-05-AUX	Plot A Magnetic Course On A Nautical Chart <b>(Waiverable by DIRAUX)</b>	2-53
BCM-06-06-AUX	Measure Distance On A Nautical Chart <b>(Waiverable by DIRAUX)</b>	2-54
BCM-06-07-AUX	Compute Time, Speed And Distance <b>(Waiverable by DIRAUX)</b>	2-55
BCM-06-08-AUX	Determine The Depth Of Water Using A Fathometer And/Or Sounding Pole	2-56

Name: \_\_\_\_\_

## Task BCM-06-01-AUX

<b>Task</b>	<b>Identify the Basic Parts, Symbols and Abbreviations Found on a Nautical Chart</b>
<b>References</b>	Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series) Chart No.1, Nautical Chart Symbols, Abbreviations and Terms
<b>Conditions</b>	Performed at any time ashore, at the dock or afloat, using a nautical chart of the local operating area. Trainee must accomplish task without prompting. Use of a reference is allowed.
<b>Standards</b>	In response to the mentor, the trainee must identify the basic parts, symbols, and abbreviations found on a chart of the local operating area.

### Completed

### Performance Criteria

- |       |  |
|-------|--|
| _____ | 1. Identified the longitude scale.   |
| _____ | 2. Identified the latitude scale.  |
| _____ | 3. Identified horizontal and vertical clearances of overhead bridges and cables. |
| _____ | 4. Identified one nautical mile using the latitude scale.                        |
| _____ | 5. Identified sounding numbers (feet/fathoms).                                   |
| _____ | 6. Identified depth curves (contours).   |
| _____ | 7. Identified the general information block.                                     |
| _____ | 8. Identified the scale of a chart.  |
| _____ | 9. Identified the latitude and longitude in minutes or seconds.                  |
| _____ | 10. Identified different colors and stated meaning of each.                      |

Name: \_\_\_\_\_

## Task BCM-06-03-AUX

**Task** **Identify Local Landmarks Used in Piloting on a Nautical Chart**

**References** Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

**Conditions** Performed while underway, using a nautical chart of the local operating area. Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the mentor, the trainee must point out prominent landmarks. Trainee must, correctly identify on the chart those objects pointed out.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Identified major piers and docks in local operating area.
- \_\_\_\_\_ 2. Identified any prominent submerged or partially submerged object in the local operating area, (such as rocks, wrecks, etc.).
- \_\_\_\_\_ 3. Identified prominent navigational landmarks in the local operating area (such as antennas, towers, buildings, etc.).
- \_\_\_\_\_ 4. Identified prominent buildings and structures used as navigational landmarks in the local operating area.
- \_\_\_\_\_ 5. Identified all prominent landmarks in the local operating area.
- \_\_\_\_\_ 6. Identified all bridges and their types in the local operating area.

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-06-04-AUX

<b>Task</b>	<b>Plot a Position Using Latitude and Longitude (Waiverable by DIRAUX)</b>
<b>References</b>	Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)
<b>Conditions</b>	Given a nautical chart of the local operating area and three sets of coordinates, (positions), expressed in longitude and latitude, from the mentor, trainee must plot the three positions without prompting or use of a reference.
<b>Standards</b>	In response to the mentor, the trainee must, without error, plot the positions indicated by the coordinates.

### Completed

### Performance Criteria

\_\_\_\_\_ 1. Correctly plotted three different positions on the chart.

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-06-05-AUX

<b>Task</b>	<b>Plot a Magnetic Course on a Nautical Chart (Waiverable by DIRAUX)</b>
<b>References</b>	Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)
<b>Conditions</b>	Given a nautical chart of the local operating area and the three positions in task BCM-06-04-AUX, the trainee must accomplish task without prompting or use of a reference.
<b>Standards</b>	In response to the mentor, the trainee must, without error, plot the courses within six minutes.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Course from point A to point B \_\_\_\_\_degrees M.
- \_\_\_\_\_ 2. Course from point B to point C \_\_\_\_\_degrees M.
- \_\_\_\_\_ 3. Course from point C to point A \_\_\_\_\_degrees M.

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_



Name: \_\_\_\_\_

## Task BCM-06-06-AUX

**Task** **Measure Distance on a Nautical Chart (Waiverable by DIRAUX)**

**References** Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

**Conditions** Given a nautical chart of the local area, the three positions plotted on the chart, in Tasks BCM-06-04-AUX and BCM-06-05-AUX, (designated A through C). All distances must be measured using nautical miles or yards as indicated by the task steps. Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the mentor, the trainee must measure the distance indicated in the task steps within three minutes. Distance should be accurate to within 100 yards.

### Completed

### Performance Criteria

\_\_\_\_\_ 1. Distance from A to B is \_\_\_\_\_ nautical miles.

\_\_\_\_\_ 2. Distance from B to C is \_\_\_\_\_ yards.

\_\_\_\_\_ 3. Distance from C to A is \_\_\_\_\_ nautical miles.

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-06-07-AUX

<b>Task</b>	<b>Compute Time, Speed and Distance (Waiverable by DIRAUX)</b>
<b>References</b>	Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)
<b>Conditions</b>	Use a nautical chart of the local area, a nautical slide rule and the positions, courses and distances calculated in tasks BCM-06-04-AUX through BCM-06-06-AUX. The nautical slide rule <b>may not</b> be used for steps 1 and 5. Trainee must accomplish task without prompting or use of a reference. All answers should be given to the nearest tenth of an hour, knots, or nautical mile as indicated in the steps. Trainee must accomplish tasks without prompting or use of a reference
<b>Standards</b>	In response to the mentor, the trainee must, without error, calculate the answer indicated for each step within six minutes.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Calculated the time, in hours, a boat traveling at a speed of 8 knots would take to get from point A to point B.
- \_\_\_\_\_ 2. Calculated the speed, in knots, a boat would have to make to get from point B to point C in 30 minutes.
- \_\_\_\_\_ 3. Calculated the speed, in knots, a boat would have to make to get from point C to point A in 2 hours.
- \_\_\_\_\_ 4. Calculated the speed, in knots, a boat would have to make to travel 200 yards in 3 minutes.
- \_\_\_\_\_ 5. Calculated the distance, in nautical miles, a boat would travel in 2.4 hours at a speed of 12 knots.

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-06-08-AUX

<b>Task</b>	<b>Determine the Depth of Water Using a Fathometer and/or Sounding Pole</b>
<b>References</b>	Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series) Manufacturers Operators Manual
<b>Conditions</b>	Performed anytime underway, in calm weather conditions, onboard an Auxiliary facility. Demonstration should be done in an area that is known to have accurate charted soundings. Trainee must accomplish task without prompting or use of a reference. When operating in shallow water a sounding pole may be used.
<b>Standards</b>	In response to the mentor, the trainee must, identify different parts of the fathometer. Soundings should be within 10% (allowing for range of tide) of the charted depth when working in water under thirty feet.

### Completed

### Performance Criteria

- |       |   |
|-------|---|
| _____ | 1. Fathometer turned on and adjusted.   |
| _____ | 2. Fathometer placed on appropriate range, (Feet, Fathoms, or Meters).                            |
| _____ | 3. Readings taken in three different positions, (mentor should fix position and verify readings). |
| _____ | 4. Discussed relationship of the transducer's location on the boat to the actual depth of water.  |
| _____ | 5. Conducted two soundings with a sounding pole (if applicable).                                  |

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_

## Section G. Mission Oriented Operations

### Introduction

The following are general objectives for Section G:

- **Demonstrate** actions to take during a Man Overboard emergency.
- **Demonstrate** procedures to signal an emergency.
- **Demonstrate** procedures for helo hoist operation.
- **Demonstrate** procedures for towing astern and alongside.
- **Demonstrate** procedures for dewatering another vessel.
- **Demonstrate** procedures to combat a fire onboard own vessel or another vessel.

### In this section

This section contains eleven tasks:

Task Number	Task	See Page
BCM-07-01-AUX	Participate In A Man Overboard Evolution As A Pointer	2-59
BCM-07-02-AUX	Participate In A Man Overboard Evolution As A Recovery/Pick-Up Man	2-60
BCM-07-04-AUX	Bend A Heaving Line To A Bridle And Pass The Heaving Line To Another Boat	2-61
BCM-07-05-AUX	Pass A Towline (Bridle) To Another Boat And Take In Stern Tow	2-62
BCM-07-06-AUX	Stand A Towing Watch	2-63
BCM-07-07-AUX	Connect A Towline To A Trailer Eye Bolt Using A Kicker/Skiff Hook	2-65
BCM-07-08-AUX	Take A Boat In Alongside Tow	2-66
BCM-07-10-AUX	Identify The Different Classes Of Fires And State The Fuel And Primary Extinguishing Agents Associated With Each	2-68
BCM-07-11-AUX	Locate And Operate The Boat's Dewatering Equipment	2-69
BCM-07-12-AUX	Operate A CO2 Fire Extinguisher (Simulate)	2-70

*Continued on next page*

**In this section**  
(Continued)

Task Number	Task	See Page
BCM-07-13-AUX	Operate A Dry Chemical Fire Extinguisher (Simulate)	2-71

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Name: \_\_\_\_\_

## Task BCM-07-04-AUX

**Task** **Bend a Heaving Line to a Bridle and Pass the Heaving Line to Another Boat**

**References** Chapter 17, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

**Conditions** Performed at any time underway on an Auxiliary facility. Heaving line should be at least 75 feet long. The target boat must be at least 20 feet away at the time of the toss. Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the mentor, the trainee must pass the heaving line to the target boat, in accordance with steps listed below. Two throws must be successfully completed. The heaving line should pass over the target boat, and not hit it.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Heaving line wetted down to relieve stiffness.
- \_\_\_\_\_ 2. Heaving line bent onto a bridle, or towline using a bowline or a clove hitch with two half hitches, small carbiner or snap hook.
- \_\_\_\_\_ 3. Heaving line made into a tight coil, two thirds of coil taken into casting hand.
- \_\_\_\_\_ 4. People on other boat instructed to take cover.
- \_\_\_\_\_ 5. Heaving line thrown, on command, over the disabled boat and tended.

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## **Task BCM-07-05-AUX**

**Task** **Pass a Towline (Bridle) to Another Boat and Take in Stern Tow**

**References** Chapter 17, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

**Conditions** Performed at any time underway on an Auxiliary facility while taking another boat in tow. Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the mentor, the trainee must in accordance with the procedures listed below, perform all line handling related to passing a towline. All commands by the coxswain must be confirmed by repeating the command, and must be stated, in a loud and clear voice to the coxswain, when accomplished.

### **Completed**

### **Performance Criteria**

- \_\_\_\_\_ 1. Passed the towline to the disabled boat (a heaving line may or may not be used).
- \_\_\_\_\_ 2. Tended towline while people on disabled boat made attachment.
- \_\_\_\_\_ 3. Tended towline away from propellers, made fast to towing bitt or cleats (if not already secured), and paid out towline until proper catenary is obtained as directed.
- \_\_\_\_\_ 4. Rigged chafing gear where needed and at the command of the coxswain.

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## **Task BCM-07-06-AUX**

**Task** **Stand a Towing Watch**

**References** Chapters 1 and 17, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

**Conditions** Performed at any time underway on an Auxiliary facility while taking another boat in tow. Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the mentor, the trainee must state and demonstrate how to stand a towing watch in accordance with the guidelines listed below.

### **Completed**

### **Performance Criteria**

- \_\_\_\_\_ 1. Stated predetermined danger signals/emergency communications for towed boat.
- \_\_\_\_\_ 2. Stated signs of danger to watch for during a stern tow. (Towed boat's yawing, jerking, strain on the towline, shockloading, or too taut or slack, etc.)
- \_\_\_\_\_ 3. Kept both the towline and towed boat under constant observation.
- \_\_\_\_\_ 4. Kept chafing gear riding in place.
- \_\_\_\_\_ 5. Identified tow as in or out of step and proper catenary maintained.
- \_\_\_\_\_ 6. Reported important developments to the coxswain, in a loud clear voice, and continued reporting until receiving confirmation from the coxswain.
- \_\_\_\_\_ 7. Kept deck, (snapback danger area), clear of all unnecessary lines, gear and personnel.



**Task BCM-07-06-AUX** (Continued)

8. Adjusted towline at Coxswain's command.

9. Maintained tow watch until properly relieved or until tow terminated.

\_\_\_\_\_

\_\_\_\_\_ **Mentor signature**\_\_\_\_\_ **Date**\_\_\_\_\_

**Accomplished**

Name: \_\_\_\_\_

## Task BCM-07-07-AUX

<b>Task</b>	<b>Connect a Towline to a Trailer Eye Bolt Using a Shackle or Kicker/Skiff Hook</b>
<b>References</b>	Chapter 17, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)
<b>Conditions</b>	Performed underway on an Auxiliary facility in calm sea conditions, while taking another boat in tow. Trainee must accomplish task without prompting or use of a reference.
<b>Standards</b>	In response to the mentor, the trainee must, in accordance with the procedures listed below, perform all line handling related to connecting a towline to a boat's trailer eyebolt. All commands by the coxswain must be confirmed by repeating the command and must be stated, in a loud and clear voice to the coxswain, when accomplished.

### Completed

### Performance Criteria.

- |  |  |
|--|--|
|  | 1. Prepared towline with kicker/skiff hook assembly or shackle attached.   |
|  | 2. Connected towline to trailer eyebolt using kicker/skiff hook assembly or shackle while disabled boat is off either quarter. (If a shackle is used, the shackle pin should be moused.) |
|  | 3. Tended towline, made fast to towing bitt or cleats (if not already secured), and towline paid out until proper catenary is obtained or as directed by coxswain.                       |
|  | 4. Kept coxswain informed how the towline was tending and kept excess slack out of the water.  |

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-07-08-AUX

**Task** **Take a Boat in Alongside Tow**

**References** Chapter 17, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

**Conditions** Performed underway on an Auxiliary facility in calm sea conditions while transferring a boat from a stern tow to an alongside tow or free approach. Trainee must accomplish task without prompting or use of a reference. This optional task should be done only in areas where alongside tows are safe, practical, and/or a normal mission requirement.

**Standards** In response to the Coxswain, the trainee must, without prompting, correctly tend and secure the towline and sidelines in accordance with the procedures listed below. The eye end of the alongside towlines should be passed to the boat being towed and direction given for its placement to persons on board the disabled boat.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Participated in crew brief for alongside towing operations discussed: duties, type of towing approach, attachment points for towlines (both disabled vessel and the Auxiliary Facility), verbal commands and/or hand signals to be used, and any safety concerns.
- \_\_\_\_\_ 2. Fenders rigged on the side where tow will be secured and walking fender ready for use.
- \_\_\_\_\_ 3. Identified the following lines and made them ready for alongside tow:
  - a. Number 1 line (Bowline)
  - b. Number 2 line (Forward Spring Line or Towing Strap)
  - c. Number 3 line (Aft Spring Line or Backing Line)
  - d. Number 4 line (Stern Line)

**Task BCM-07-08-AUX** (Continued)

- \_\_\_\_\_ 4. Used walking fenders as needed, did not use hands or feet to fend off.
- \_\_\_\_\_ 5. Passed and handled alongside lines as directed by Coxswain.
- \_\_\_\_\_ 6. Made off alongside lines with round turn and at least 2 figure eights on the designated cleat and stood by to adjust lines as directed by Coxswain.
- \_\_\_\_\_ 7. Repeated and executed all commands, and made reports as all line-handling evolutions were complete. (Continued to repeat completed reports until acknowledged by the Coxswain).
- \_\_\_\_\_ 8. All lines adjusted and secured at Coxswain's direction.
- \_\_\_\_\_ 9. Stood alongside tow watch in accordance with Task BMC 07-07-AUX.

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_

Name: \_\_\_\_\_

### **Task BCM-07-10-AUX**

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<b>Task</b>	<b>Identify the Different Classes of Fires; State the Fuel and Primary Extinguishing Agents Associated with Each</b>
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<b>References</b>	Chapter 18, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)
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<b>Conditions</b>	Performed at any time ashore, at the dock, or afloat. Trainee must accomplish task without prompting or use of a reference.
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<b>Standards</b>	In response to the mentor, the trainee must, without error state the answer called for in the steps below.
------------------	--

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#### **Completed**

#### **Performance Criteria**

- |       |  |
|-------|--|
| _____ | 1. Stated most common fuels for a Class A fire, and the primary extinguishing agent for use on a Class A fire. |
| _____ | 2. Stated most common fuels for a Class B fire, and the primary extinguishing agent for use on a Class B fire. |
| _____ | 3. Stated most common fuels for a Class C fire, and the primary extinguishing agent for use on a Class C fire. |
| _____ | 4. Stated most common fuels for a Class D fire, and the primary agent used to contain a Class D fire.          |
| _____ | 5. Explained the safety precautions that must be used when using CO <sub>2</sub> and Halon.                    |

<b>Accomplished</b>	<b>Mentor signature</b> _____	<b>Date</b> _____
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Name: \_\_\_\_\_

## Task BCM-07-11-AUX

**Task** **Locate and Operate Boat's Dewatering Equipment**

**References** Auxiliary Facility Pre-Underway check-off list and/or diagram  
Manufacturer's Operating Instructions

**Conditions** Performed onboard an Auxiliary facility. Dewatering equipment should be listed on the facility's pre-underway check-off sheet and/or displayed on the facility's diagram. Trainee must accomplish task without prompting. Use of a reference is permitted.

**Standards** In response to the mentor, the trainee must, locate, set up and operate the boat's dewatering equipment (gasoline-powered pump, high capacity, manual or electric bailing pump). Demonstrating proficiency with a simple bailing bucket will be sufficient for passing this task.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Located dewatering pump.
- \_\_\_\_\_ 2. Correctly set up dewatering pump.
- \_\_\_\_\_ 3. Monitored pump and all hoses while dewatering.
- \_\_\_\_\_ 4. Pump drained, flushed, fueled, (as applicable), and secured after use.

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-07-12-AUX

**Task** **Operate a CO<sub>2</sub> Fire Extinguisher (Simulate)**

**References** Chapter 18, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)  
Fire extinguisher's operating instructions

**Conditions** Performed at any time ashore, at the dock, or afloat. Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the mentor, the trainee must demonstrate the use of a CO<sub>2</sub> fire extinguisher in accordance with the guidelines below and the extinguisher's operating instructions.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Demonstrated carrying fire extinguisher in upright position.
- \_\_\_\_\_ 2. Identified the lock pin and explained its removal from the valve.
- \_\_\_\_\_ 3. Demonstrated approaching the simulated fire from the windward side.
- \_\_\_\_\_ 4. Demonstrated pointing extinguisher's nozzle (horn) at base of the simulated fire location.
- \_\_\_\_\_ 5. Explained discharge procedures.
- \_\_\_\_\_ 6. Demonstrated putting out the simulated fire while sweeping the fire with the extinguishing agent.

**Accomplished** **Mentor signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-07-13-AUX

<b>Task</b>	<b>Operate a Dry Chemical Fire Extinguisher (Simulate)</b>
<b>References</b>	Chapter 18, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series) Fire extinguisher's operating instructions
<b>Conditions</b>	Performed at any time ashore, at the dock, or afloat. Trainee must accomplish task without prompting or use of a reference.
<b>Standards</b>	In response to the mentor, the trainee must demonstrate the use of a Dry Chemical fire extinguisher in accordance with the guidelines below and the extinguishers operating instructions.

### Completed

### Performance Criteria

- |       |  |
|-------|--|
| _____ | 1. Identified the safety pin.  |
| _____ | 2. Explained how puncture lever is activated, and why this is done.  |
| _____ | 3. Demonstrated approaching the simulated fire from the windward side.   |
| _____ | 4. Remained at least 8 feet from the fire.   |
| _____ | 5. Extinguisher pointed at base of fire, discharge procedure explained while sweeping the fire with the extinguishing agent. |

**Accomplished**    **Mentor signature** \_\_\_\_\_    **Date** \_\_\_\_\_



## Section H. Auxiliary Specific Tasks

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### Introduction

The following are general objectives for Section H:

- **Demonstrate** ability to perform duties of an Auxiliary facility crew member
- 

### In this section

This section contains three tasks:

Task Number	Task	See Page
BCM-08-01-AUX	Basic Knowledge Of Boating Skills	2-73
BCM-08-02-AUX	Perform As A Crew Member During A Night Navigation And Piloting Exercise (Waiverable by DIRAUX)	2-74
BCM-08-03-AUX	Dockside Oral Examination	2-76
BCM-08-04-AUX	Underway Check Ride	2-78

Name: \_\_\_\_\_

## Task BCM-08-01-AUX

**Task** **Basic Knowledge of Boating Skills**

**References** Chapter 3, Auxiliary Boat Crew Training Manual, COMDTINST M16794.51 (series)

**Conditions** Auxiliary member must complete the requirement prior to entering the Auxiliary boat crew qualification program.

**Standards** Auxiliary members must show proof of having satisfactorily completed one of the following prerequisites for basic knowledge of boating skills.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Completed the Auxiliary Boating Skills and Seamanship (BS&S) course, or
- \_\_\_\_\_ 2. Completed the Sailing Fundamentals (SF) course, or
- \_\_\_\_\_ 3. Completed the Sailing and Seamanship (S&S) course, or
- \_\_\_\_\_ 4. Completed the Boating Safely (BSC) course, or
- \_\_\_\_\_ 5. Completed the U.S. Power Squadron's basic boating course, or
- \_\_\_\_\_ 6. Challenged and passed the closed book exam for one of the above courses.

**Accomplished** **QE's signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## **Task BCM-08-02-AUX**

<b>Task</b>	<b>Perform as a Crew Member During a Night Navigation and Piloting Exercise</b>
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<b>References</b>	Chapter 14, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)
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<b>Conditions</b>	Performed at the dock and underway in calm conditions on a clear night. The trainee must perform crew member duties and assist the coxswain, using available equipment to integrate information and safely navigate the facility. All chart work, including courses, distances, time to run and electronics set up shall be completed prior to getting underway. Trainee must accomplish task without prompting or use of a reference.
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<b>Standards</b>	After receiving a position, (given by the mentor), the trainee should assist the coxswain in plotting a course and determining an ETA, then perform the duties of a crew member during a piloting exercise.
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**NOTE:** May be waived by the Director in accordance with Section 1.B.4.

### **Completed**

### **Performance Criteria**

- |       |  |
|-------|--|
| _____ | 1. Assisted in obtaining a compass course laid out on the chart indicating predicted turns, and ETA.                                 |
| _____ | 2. Participated in a pre-underway check off.   |
| _____ | 3. Participated in a pre-underway brief.   |
| _____ | 4. Properly donned PFD and demonstrated an understanding of the use of personnel survival equipment. Tested electronic PMLs.         |
| _____ | 5. Made preparations for getting underway in accordance with coxswain's instructions.  |
| _____ | 6. Efficiently and safely handled lines and communicated effectively with the coxswain and other crewmembers while getting underway. |

**Task BCM-08-02-AUX (Continued)**

- \_\_\_\_\_ 7. Assisted the coxswain in piloting the facility by dead reckoning and “Seaman’s Eye.” Considered and adjusted for the effects of:
- a. Tide
  - b. Currents
  - c. Wind and sea conditions
  - d. Navigation hazards
- \_\_\_\_\_ 8. Used manual and electronic navigation equipment, (if trained), to assist the coxswain to determine facility’s position.
- \_\_\_\_\_ 9. Performed the following crewmember duties:
- a. Lookout
  - b. Helm watch
  - c. Assist with navigation
  - d. Radio communications
  - e. Other duties as directed
- \_\_\_\_\_ 10. Effectively used risk management and team coordination with crewmembers.

**Accomplished**   **Mentor signature** \_\_\_\_\_   **Date** \_\_\_\_\_

Name: \_\_\_\_\_

## Task BCM-08-03-AUX

### Task Dockside Oral Examination

**References**

Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)

Auxiliary Boat Crew Training Manual, COMDTINST M16794.51 (series)

Auxiliary Operations Policy Manual, COMDTINST M16798.3 (series)

District SOPs, Policy Manuals, and other local Instructions

**Conditions**

Performed ashore or aboard a moored facility. Trainee must accomplish task without prompting or use of a reference.

**Standards**

The trainee must successfully demonstrate knowledge of qualification tasks selected by the QE. The QE will select at least one task from each section (A- G) of the Qualification Guide, plus at least three tasks of the QE's choice, as outlined by the performance criteria below. The QE may ask additional questions based on tasks to ensure that the trainee is fully ready to be qualified.

### Completed Performance Criteria

- |       |                               |
|-------|-------------------------------|
| _____ | 1. Section A, BCM-01-____-AUX |
| _____ | 2. Section B, BCM-02-____-AUX |
| _____ | 3. Section C, BCM-03-____-AUX |
| _____ | 4. Section D, BCM-04-____-AUX |
| _____ | 5. Section E, BCM-05-____-AUX |
| _____ | 6. Section F, BCM-06-____-AUX |
| _____ | 7. Section G, BCM-07-____-AUX |
| _____ | 8. BCM-____-____-AUX          |

**Task BCM-08-03-AUX** (Continued)

\_\_\_\_\_ 9. BCM-\_\_\_\_ - \_\_\_\_ -AUX

\_\_\_\_\_ 10. BCM-\_\_\_\_ - \_\_\_\_ -AUX

**Accomplished**    **QE's signature** \_\_\_\_\_    **Date** \_\_\_\_\_

**QE's signature** \_\_\_\_\_    **Date** \_\_\_\_\_

**Comments:**

Name: \_\_\_\_\_

## Task BCM-08-04-AUX

**Task** **Underway Check Ride**

**References** Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)  
 Auxiliary Boat Crew Training Manual, COMDTINST M16794.51 (series)  
 Auxiliary Operations Policy Manual, COMDTINST M16798.3 (series)  
 District SOPs, Policy Manuals, and other local Instructions

**Conditions** Performed underway on an Auxiliary Facility in calm sea conditions. Trainee must accomplish task without prompting or use of a reference.

**Standards** In response to the QE and as directed by the coxswain, trainee must answer questions on, and perform the below listed evolutions as the crewmember.

**NOTE:** The QE may add tasks to the performance criteria if he/she feels it necessary to evaluate a trainee's readiness for qualification. The addition of any tasks will be reported to Commandant (G-OCX-2) via the Director of Auxiliary for possible inclusion in future revisions of the program.

### Completed

### Performance Criteria

- \_\_\_\_\_ 1. Assisted coxswain with a pre-underway check-off.
- \_\_\_\_\_ 2. Participated in a pre-underway brief.
- \_\_\_\_\_ 3. Correctly donned a PFD and demonstrated an understanding of the use of personnel survival equipment.
- \_\_\_\_\_ 4. Efficiently and safely handled mooring lines while getting underway and secured the boat for sea.
- \_\_\_\_\_ 5. Stood an alert helm watch, with the correct responses to the coxswain's commands.
- \_\_\_\_\_ 6. Stood an alert lookout watch, correctly reporting distance and relative bearings of objects and sounds encountered.

## Task BCM-08-04-AUX (Continued)

- \_\_\_\_\_ 7. Correctly responded to and acted as a pointer in a Man Overboard drill.
- \_\_\_\_\_ 8. Correctly responded to and acted as a recovery/pickup man in a Man Overboard drill.
- \_\_\_\_\_ 9. Demonstrated proficiency and safety while performing duties during a stern tow and a towing watch.
- \_\_\_\_\_ 10. Demonstrated proficiency and safety while performing duties during an alongside tow.
- \_\_\_\_\_ 11. Demonstrated proficiency in knot tying and line handling.
- \_\_\_\_\_ 12. Demonstrated proficiency in anchoring and weighing anchor.
- \_\_\_\_\_ 13. Assisted the coxswain with the safe navigation, identifying aids to navigation and local landmarks encountered on a chart of the operating area.
- \_\_\_\_\_ 14. Correctly made a scheduled Position and Ops Normal report, on the facility's VHF-FM radiotelephone.
- \_\_\_\_\_ 15. Efficiently and safely positioned fenders and handled mooring lines while the boat moored.
- \_\_\_\_\_ 16. Satisfactorily answered QEs questions on policies and procedures. Questions should pertain to knowledge required by the above qualification tasks.

**Accomplished**    **QE's signature** \_\_\_\_\_    **Date** \_\_\_\_\_

**QE's signature** \_\_\_\_\_    **Date** \_\_\_\_\_

**Comments**



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NAME: \_\_\_\_\_

## **TASK BCM-03-01-AUX: Identify The Different Parts Of A Line And Hitches Used In Line Handling**

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1. The running or free end of a line is called the \_\_\_\_\_.
  2. The long, unused, or belayed end is called the \_\_\_\_\_.
  3. Crossing the \_\_\_\_\_ over the standing part makes an overhang loop.
  4. A bight is a \_\_\_\_\_ formed by turning the line back on itself.
  5. A \_\_\_\_\_ is a single wind and a \_\_\_\_\_ is two complete turns around an object.
- 

## **TASK BCM-03-02-AUX: Tie Various Knots, Hitches And Bends**

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1. The advantage of a bowline is that they do not \_\_\_\_\_.
  2. The best all-around hitch for securing a line to a ring, spar, or other round or near round object is the \_\_\_\_\_.
  3. Timber hitches are used to secure a line to logs, planks, or other \_\_\_\_\_ objects.
  4. \_\_\_\_\_ are used to lengthen one line by bending one to another.
-

NAME: \_\_\_\_\_

## **TASK BCM-03-03-AUX: Secure Lines To Cleats, Bitts And Posts**

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1. Deck fittings permit easy handling of lines and reduce \_\_\_\_\_ and friction on lines.
  2. When securing a line to a cleat, bitt, or post you should first take a \_\_\_\_\_ around the deck fitting.
  3. You should finish securing the line by forming several figure.
  4. To facilitate speed and safety the dipping the \_\_\_\_\_ method should be used when two mooring lines have to be placed on the same cleat.
-

NAME: \_\_\_\_\_

## **TASK BCM-04-01-AUX: Assist In Anchoring The Boat**

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1. The \_\_\_\_\_ of the anchor dig into the bottom to provide holding power.
  2. The chaffing chain tends to \_\_\_\_\_ the angle of pull of the anchor and assists in \_\_\_\_\_ of the anchor line on the \_\_\_\_\_.
  3. A \_\_\_\_\_ is used to attach the chain so that the anchor line can spin freely.
  4. Never stand in the \_\_\_\_\_ of an anchor line.
  5. The anchor should be \_\_\_\_\_ over the side, never \_\_\_\_\_.
  6. The anchor line should always form an angle of \_\_\_\_\_ or less with the bottom.
- 

## **TASK BCM-04-02-AUX: Assist In Weighing The Boat's Anchor**

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1. Slack in the anchor line should be \_\_\_\_\_ as the boat is moved ahead.
  2. As the line is brought aboard it should be faked or stowed below \_\_\_\_\_.
  3. If the anchor refuses to break free the line should be \_\_\_\_\_ around the forward bitt while the coxswain moves ahead a few feet to break it free.
-

NAME: \_\_\_\_\_

## **TASK BCM-04-03-AUX: Identify The Common Navigation Lights Displayed By Ships And Boats**

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1. Lights must be used from \_\_\_\_\_ to \_\_\_\_\_ and in times of restricted visibility.
  2. A green side light means you are looking at a vessels \_\_\_\_\_ side.
  3. A red sidelight means you are looking at a vessels \_\_\_\_\_ side.
  4. If you see both a red and green light it means you are looking at the vessel \_\_\_\_\_.
  5. A power driven vessel 50 meters or more in length must display \_\_\_\_\_ sidelights, a masthead light, a stern light, and a \_\_\_\_\_ light.
  6. A power driven vessel less than 50 meters in length must display red and \_\_\_\_\_ sidelights, a masthead light, and a \_\_\_\_\_ light.
  7. A power driven vessel less than 7 meters and whose maximum speed does not exceed 7 knots only has to show a \_\_\_\_\_ light.
  8. Sailing vessels less than 12 meters (international) or 20 meters (inland) in length must display red and green side lights, or a red and green \_\_\_\_\_ light, along with a stern light.
  9. On sailboats and rowboats less than 7 meters in length, if regular running lights are unavailable they may display \_\_\_\_\_ or torch.
-

NAME: \_\_\_\_\_

## Section F. Reading Assignments - Navigation

### Overview

#### Introduction

The related reading assignment(s) should be read prior to beginning instruction of each task.

#### In this section

This section contains the following reading assignments.

Task Number	Reading Assignment	See Page
BCM-06-01-AUX	<ul style="list-style-type: none"> <li>Chapter 14, Sections A and B, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	14-3 14-15
BCM-06-02-AUX	<ul style="list-style-type: none"> <li>Chapter 13, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	13-3
BCM-06-03-AUX	<ul style="list-style-type: none"> <li>Chapter 14, Section B, Boat Crew Seamanship Manual, COMDTNIST M16114.5 (series)</li> </ul>	14-15
BCM-06-04-AUX	<ul style="list-style-type: none"> <li>Chapter 14, Section A, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	14-8
BCM-06-05-AUX	<ul style="list-style-type: none"> <li>Chapter 14, Section C, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	14-37

NAME: \_\_\_\_\_

<b>Task Number</b>	<b>Reading Assignment</b>	<b>See Page</b>
BCM-06-06-AUX	<ul style="list-style-type: none"><li>Chapter 14, Section D, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	14-61
BCM-06-07-AUX	<ul style="list-style-type: none"><li>Chapter 14, Section D, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	14-61
BCM-06-08-AUX	<ul style="list-style-type: none"><li>None assigned</li></ul>	

NAME: \_\_\_\_\_

## **TASK BCM-06-07-AUX: Compute Time, Speed And Distance**

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1. In working time, distance, and speed problems when piloting a boat, the distance is always measured in \_\_\_\_\_ miles, the speed in \_\_\_\_\_, and the time in \_\_\_\_\_.
  2. Distance should be expressed to the nearest \_\_\_\_\_ of a nautical mile, speed to the nearest \_\_\_\_\_ of a knot, and time to the nearest \_\_\_\_\_.
  3. The nautical \_\_\_\_\_ was designed to solve time, distance, and speed problems.
  4. By setting any two of the values on their opposite scales, the third can be read from the appropriate \_\_\_\_\_.
  5.  $D = \text{_____} \times T/60.$
  6.  $S = \text{_____} D/\text{_____}.$
  7.  $\text{_____} = 60 \text{_____}/S.$
-



NAME: \_\_\_\_\_

## Section G. Reading Assignments – Mission Oriented Operations

### Overview

#### Introduction

The related reading assignment(s) should be read prior to beginning instruction of each task.

#### In this section

This section contains the following reading assignments.

Task Number	Reading Assignment	See Page
BCM-07-01-AUX	<ul style="list-style-type: none"><li>Chapter 16, Section A, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	16-3
BCM-07-02-AUX	<ul style="list-style-type: none"><li>Chapter 16, Section A, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	16-3
BCM-07-04-AUX	<ul style="list-style-type: none"><li>Chapter 17, Section C, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	17-17
BCM-07-05-AUX	<ul style="list-style-type: none"><li>Chapter 17, Section D, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	17-37
BCM-07-06-AUX	<ul style="list-style-type: none"><li>Chapter 1, Section C, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	1-13
BCM-07-07-AUX	<ul style="list-style-type: none"><li>Chapter 17, Section D, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li></ul>	17-37

NAME: \_\_\_\_\_

<b>Task Number</b>	<b>Reading Assignment</b>	<b>See Page</b>
BCM-07-08-AUX	<ul style="list-style-type: none"> <li>Chapter 17, Section D, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	17-37
BCM-07-10-AUX	<ul style="list-style-type: none"> <li>Chapter 18, Section C and D, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	18-13 18-17
BCM-07-11-AUX	<ul style="list-style-type: none"> <li>None assigned</li> </ul>	
BCM-07-12-AUX	<ul style="list-style-type: none"> <li>Chapter 18, Sections E and F, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	18-19 18-29
BCM-07-13-AUX	<ul style="list-style-type: none"> <li>Chapter 18, Sections E and F, Boat Crew Seamanship Manual, COMDTINST M16114.5 (series)</li> </ul>	18-19 18-29

NAME: \_\_\_\_\_

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### **TASK BCM-07-01-AUX: Participate In A Man Overboard Evolution As A Pointer**

- 
1. The first CREWMEMBER to observe a person overboard should sound the alarm by yelling "MAN \_\_\_\_\_" followed by either " \_\_\_\_\_ side " or " \_\_\_\_\_ side."
  2. The pointer will keep the victim in \_\_\_\_\_ and continuously \_\_\_\_\_ to the victim's position.
- 

### **TASK BCM-07-02-AUX: Participate In A Man Overboard Evolution As A Recovery/Pick Up Man**

- 
1. The recovery/pickup man \_\_\_\_\_ heaving line to be used in \_\_\_\_\_ the person in the water.
-

NAME: \_\_\_\_\_

---

### **TASK BCM-07-04-AUX: Bend A Heaving Line To A Bridle And Pass The Heaving Line To Another Boat**

---

1. You cannot tow beyond the design characteristics of any towing boat simply by \_\_\_\_\_ the size of the towline.
  2. Thimbles are designed to \_\_\_\_\_ load on the eye and provide maximum \_\_\_\_\_ protection to the inner top of the eye.
  3. The towline should be inspected frequently for damage resulting from cutting, \_\_\_\_\_, fusing, and snagging.
  4. A towing bridle should be used in cases where a \_\_\_\_\_ attachment point is not available on the boat to be towed.
  5. The messenger is a length of light line used to \_\_\_\_\_.
- 

### **TASK BCM-07-05-AUX: Pass A Towline (Bridle) To Another Boat And Take In Stern Tow**

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1. Where conditions permit and the towing boat can maneuver enough, the towline should be passed \_\_\_\_\_ to one of the people on the other boat.
  2. Before attaching the towline, make certain the fitting attachment it is to be attached to is \_\_\_\_\_ to the deck with through bolts and backing plates.
-

NAME: \_\_\_\_\_

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### **TASK BCM-07-07-AUX: Connect A Towline To A Trailer Eye Bolt Using A Shackle Or Kicker Hook**

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1. The trailer eye bolt is normally located on the \_\_\_\_\_.
  2. After tightening the shackle \_\_\_\_\_ it should be moused.
- 

### **TASK BCM-07-08-AUX: Take A Boat In Alongside Tow**

- 
1. When taking a boat alongside the \_\_\_\_\_ takes the strain of forward movement.
  2. When taking a boat alongside the \_\_\_\_\_ takes the strain of backing down.
  3. Always rig \_\_\_\_\_ to prevent hull damage.
-

NAME: \_\_\_\_\_

## **TASK BCM-07-10-AUX: Identify The Different Classes Of Fires And State The Fuel And Primary Extinguishing Agents Associated With Each**

---

1. Fire is a chemical \_\_\_\_\_ known as combustion.
  2. The three elements of a fire are oxygen, heat, and \_\_\_\_\_.
  3. Fires fueled by common combustible materials, such as wood, cloth, or paper, are classified as Class \_\_\_\_\_ fires. The best extinguishing agent for this class fire is \_\_\_\_\_.
  4. Fires fueled by flammable or combustible liquids, flammable gases, or similar material are classified as Class \_\_\_\_\_ fires. The primary extinguishing agent for this class fire is \_\_\_\_\_.
  5. Fires involving combustible \_\_\_\_\_, with fuel sources such as sodium, potassium, or magnesium, are classified as Class \_\_\_\_\_ fire. Given that these fires are not easily extinguished, the best agents to use for control of the fire are \_\_\_\_\_ or \_\_\_\_\_.
  6. Fires involving energized \_\_\_\_\_ equipment, such as conductors or appliances, are classified as Class \_\_\_\_\_ fires.
  7. The principle remedy for these fires is to secure the \_\_\_\_\_ and to apply \_\_\_\_\_ or dry chemical to the fire.
-

NAME: \_\_\_\_\_

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### **TASK BCM-07-12-AUX: Operate A CO(2) Fire Extinguisher (Simulate)**

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1. The range of the extinguisher is approximately \_\_\_\_\_ feet.
  2. The CO(2) is released in the form of a fine white \_\_\_\_\_.
  3. Be careful not to let the extinguisher's discharge touch your \_\_\_\_\_.
  4. When using the extinguisher, the cylinder should be kept \_\_\_\_\_ to the deck at all times
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### **TASK BCM-07-13-AUX: Operate A Dry Chemical Fire Extinguisher (Simulate)**

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1. The effective range for a dry chemical extinguisher is \_\_\_\_\_ feet.
  2. When using dry chemical approach the fire from the \_\_\_\_\_ side of the fire.
  3. The dry chemical should be pointed at the \_\_\_\_\_ of the fire.
-